CLAIM AMENDMENTS

1. (currently amended) A gas-measuring device with noise compensation having a gas sensor [[(1)]] for generating a measurement signal [[(S1)]] dependent upon gas concentration and which includes a noise component, characterized in that the gas sensor [[(1)]] has connected downstream thereof a high-pass filter [[(13)]] with an adjustable limiting frequency ~~and whereby the limiting frequency is~~ predeterminable by means of ~~a selector~~ an evaluating unit as a function of the noise component.

2. (currently amended) The gas-measuring device according to patent claim 1 characterized in that a low-pass filter [[(5)]] is provided ~~which is~~ connected between the evaluating unit and the gas sensor [[(1)]].

3. (currently amended) The gas-measuring device according to patent claim 2, characterized in that a computing unit [[(6)]] is connected between the evaluating unit and the low-pass filter [[(5)]] and is provided for calculating [[the]] a pitch [[(S')]] of the filter output signal [[(S5)]] arising from the low-pass filter 5.

4. (currently amended) The gas-measuring device according to patent claim 1, characterized in that the ~~selector~~ evaluating unit at its output side is connected with a control

input [[(13.1)]] of the high-pass filter [[(13)]] and is so configured that with it, based upon the pitch [[(S')]] of the filter output signal [[(S5)]] a value can be selected with which [[the]] a limiting frequency of the high-pass filter 13 is adjustable.

5. (currently amended) The gas-measuring device according to claim 1 characterized in that the ~~selector~~ evaluating unit is so configured that with it a first filter value can be predetermined when [[the]] a difference between the sensor value and a set point exceeds a limiting value, so that a second filter value is predetermined when the difference between the sensor value and the set point value lies within a certain range, and a third filter value is predetermined when the sensor value corresponds to the set-point value.

6. (currently amended) The gas-measuring device according to patent claim 5 characterizing in that the first, second, and third filter values are time constants [[(THE)]].

7. (currently amended) The gas-measuring device according to claim 1, characterized in that the high-pass filter [[(13)]] has a comparator [[(3)]] connected downstream thereof.

8. (currently amended) The gas-measuring device according to claim 1, characterized in that the gas sensor [[(1)]] is an SnO_2 gas sensor.

9. (currently amended) The gas sensor according to claim 1, characterized in that the gas sensor [[(1)]] is so configured that nitrogen oxide is measurable therewith.

10. (currently amended) A method of gas measurement with noise compensation, whereby a measurement signal [[(S1)]] dependent upon gas concentration is produced by a gas sensor [[(1),]] and the measurement signal [[(S1)]] can include a noise component, characterized in that the measurement signal [[(S1)]] is filtered by means of a high-pass filter [[(13)]] with an adjustable limiting frequency, whereby the limiting frequency is selectable by a ~~selector~~ evaluating unit as a function of the noise component.